Subject Index

Volume 46 (1988)

N-acylphosphatidylethanolamine, ³¹P-NMR, differential scanning calorimetry, gel-to liquid crystal phase transition, polymorphism, 43

alkaline methanolysis, oxygen-18, phospholipid acyl groups, catalytic hydrogenation, gas chromatography-mass spectrometry, 165

allene oxide, fatty acid hydroperoxide, hydroperoxide dehydrase, macrolactone, 235

antioxidant activity, tocopherol, stopped-flow, ESR, 31

acridine orange, glycosphingolipids, liposomes, metachromasy, methylene blue, lateral distribution of anionic glycosphingolipids, 137

bilayer, liposomes, passive, OH-blocked cholesterol, Triton, Brij, hydrogen belts, 73

bile salts, calcium deoxycholate, precipitation, lecithin, 279 Brij, liposomes, bilayer, passive, OH-blocked cholesterol, Triton, hydrogen belts, 73

calcium, membrane aggregation, liposomes, 259

calcium deoxycholate, precipitation, bile salts, lecithin, 279 cardiolipin, phosphonolipids, phosphono analogue of cardiolipin, phosphatidyl glycerol, diacylglycero phosphonic

acid, 253

catalytic hydrogenation, oxygen-18, phospholipid acyl groups, alkaline methanolysis, gas chromatography-mass spectrometry, 165

chemical synthesis, ring C oxygenated sterols, 147

cholesterol, X-ray diffraction, phase transitions, membranes, phospholipid, 63

cis unsaturation, lipid bilayer, gel phase, mixed-chain phospholipids, high pressure, Fourier transform infrared spectroscopy, 79

competition kinetics, low density lipoprotein, metal ion binding, electron spin resonance, 99

constrained phosphatidylcholines, phosphatidylcholine synthesis, phospholipase A₂, phospholipid conformation, enantiomeric specificity, 157

cytochrome c oxidase, lipid bilayers, protein distribution, electron spin resonance, 267

diacylglycero phosphonic acid, phosphonolipids, cardiolipin, phosphono analogue of cardiolipin, phosphatidyl glycerol, 253

N, N-diethylamidothionphosphate, 1-O-stearoylethane-2-O, 1-O-oleoylethane-2-O, 1-O-inoleoylethane-2-O, R, S-α-tocopherol, phosphagen, 199

differential scanning calorimetry, ³¹P-NMR, N-acylphosphatidylethanolamine, gel-to liquid crystal phase transition, polymorphism, 43

dimethylcyclopentadiene, squalene peroxidation, in vivo isoprene formation, small hydrocarbons, 117

elasticity, phosphatidylcholine, spontaneous torsion, 37

electron paramagnetic resonance, phosphatidylcholine bilayer, monovalent ion, Mn²⁺ binding constant, 205

electron spin resonance, lipid bilayers, protein distribution, cytochrome c oxidase, 267

electron spin resonance, low density lipoprotein, competition kinetics, metal ion binding, 99

enantiomeric specificity, phosphatidylcholine synthesis, constrained phosphatidylcholines, phospholipase A₂, phospholipid conformation, 157

epoxy, 2,2'-oxirane, fatty acid, synthesis, physical properties,

ESR, tocopherol, antioxidant activity, stopped-flow, 31

fatty acid, 2,2'-oxirane, epoxy, synthesis, physical properties, 193

fatty acids, picolinyl esters, gas chromatography, mass spectrometry, silver ion chromatography, Mytilus galloprovincialis, Rapana thomasiana, 127

fatty acid hydroperoxide, hydroperoxide dehydrase, allene oxide, macrolactone, 235

fluorescence depolarization, surfactant-membrane interaction, phospholipid membrane, membrane fluidity, 107

fluorocarbon, phospholipid membrane, phase transition, surfactant, partition coefficient, 25

formation, tubule, polymerizable lipids, liposomes, microscopy, 171

Fourier transform infrared spectroscopy, Langmuir-Blodgett assemblies, phospholipids, 1

Fourier transform infrared spectroscopy, phospholipids, thermotropic behaviour, 13

Fourier transform infrared spectroscopy, lipid bilayer, gel phase, cis unsaturation, mixed-chain phospholipids, high pressure, 79

ganglioside, N-glycolylneuraminic acid, nuclear magnetic resonance, laser, sialidase, 181

gas chromatography, fatty acids, picolinyl esters, mass spectrometry, silver ion chromatography, Mytilus galloprovincialis, Rapana thomasiana, 127

gas chromatography-mass spectrometry, oxygen-18, phospholipid acyl groups, alkaline methanolysis, catalytic hydrogenation, 165 gel-to-liquid crystal phase transition, ³¹P-NMR, differential scanning calorimetry, N-acylphosphatidylethanolamine, polymorphism, 43

gel phase, lipid bilayer, cis unsaturation, mixed-chain phospholipids, high pressure, Fourier transform infrared spectroscopy, 79

N-glycolyneuraminic acid, nuclear magnetic resonance, sialidase, laser, ganglioside, 181

glycosphingolipids, liposomes, metachromasy, acridine orange, methylene blue, lateral distribution of anionic glycosphingolipids, 137

high pressure, lipid bilayer, gel phase, cis unsaturation, mixed-chain phospholipids, Fourier transform infrared spectroscopy, 79

high pressure, water binding, hydrogen bond, lipids, infrared spectra, 213

hydrogen belts, liposomes, bilayer, passive, OH-blocked cholesterol, Triton, Brij, 73

hydrogen bond, water binding, lipids, infrared spectra, high pressure, 213

hydroperoxide dehydrase, fatty acid hydroperoxide, allene oxide, macrolactone, 235

infrared spectra, phosphatidylcholine, water, phase transition, multilamellar samples, 51

infrared spectra, water binding, hydrogen bond, lipids, high pressure, 213

inhibitor of sterol synthesis, 15-oxygenated sterol, 245

in vivo isoprene formation, squalene peroxidation, dimethylcyclopentadiene, small hydrocarbons, 117

Langmuir-Blodgett assemblies, Fourier transform infrared spectroscopy, phospholipids, 1

laser, ganglioside, N-glycolylneuraminic acid, nuclear magnetic resonance, sialidase, 181

lateral distribution of anionic glycosphingolipids, glycosphingolipids, liposomes, metachromasy, acridine orange, methylene blue, 137

lecithin, calcium deoxycholate, precipitation, bile salts, 279

1-O-linoleoylethane-2-O, 1-O-stearoylethane-2-O, 1-O-oleoylethane-2-O, R,S-α-tocopherol, N,N-diethylamidothionphosphate, phosphagen, 199

lipids, water binding, hydrogen bond, infrared spectra, high pressure, 213

lipid bilayer, gel phase, cis unsaturation, mixed-chain phospholipids, high pressure, Fourier transform infrared spectroscopy, 79

lipid bilayers, protein distribution, electron spin resonance, cytochrome c oxidase, 267

liposomes, bilayer, passive, OH-blocked cholesterol, Triton, Brij, hydrogen belts, 73

liposomes, glycosphingolipids, metachromasy, acridine orange, methylene blue, lateral distribution of anionic glycosphingolipids, 137

liposomes, membrane aggregation, calcium, 259

liposomes, tubule, polymerizable lipids, microscopy, formation, 171

low density lipoprotein, competition kinetics, metal ion binding, electron spin resonance, 99 macrolactone, fatty acid hydroperoxide, hydroperoxide dehydrase, allene oxide, 235

mass spectrometry, fatty acids, picolinyl esters, gas chromatography, silver ion chromatography, Mytilus galloprovincialis, Rapana thomasiana, 127

mass spectrometry, octadecadiynoic acids, picolinyl esters, 225

membranes, X-ray diffraction, phase transitions, phospholipid, cholesterol, 63

membrane aggregation, liposomes, calcium, 259

membrane fluidity, surfactant-membrane interaction, phospholipid membrane, fluorescence depolarization, 107

metachromasy, glycosphingolipids, liposomes, acridine orange, methylene blue, lateral distribution of anionic glycosphingolipids, 137

metal ion binding, low density lipoprotein, competition kinetics, electron spin resonance, 99

methylene blue, glycosphingolipids, liposomes, metachromasy, acridine orange, lateral distribution of anionic glycosphingolipids, 137

microscopy, tubule, polymerizable lipids, liposomes, formation, 171

mixed-chain phospholipids, lipid bilayer, gel phase, cis unsaturation, high pressure, Fourier transform infrared spectroscopy, 79

Mn²⁺ binding constant, phosphatidylcholine bilayer, monovalent ion, electron paramagnetic resonance, 205

model membranes, sulfatide, N-pyrene derivatives, 89

monolayers, phospholipids, steroids, synthesis, 57

monovalent ion, phosphatidylcholine bilayer, electron paramagnetic resonance, Mn²⁺ binding constant, 205

multilamellar samples, phosphatidylcholine, water, phase transition, infrared spectra, 51

Mytilus galloprovincialis, fatty acids, picolinyl esters, gas chromatography, mass spectrometry, silver ion chromatography, Rapana thomasiana, 127

³¹P-NMR, differential scanning calorimetry, N-acylphosphatidylethanolamine gel-to-liquid crystal phase transition, polymorphism, 43

N-pyrene derivatives, sulfatide, model membranes, 89 nuclear magnetic resonance, ganglioside, N-glycolylneuraminic acid, laser, sialidase, 181

octadecadiynoic acids, mass spectrometry, picolinyl esters, 225

OH-blocked cholesterol, liposomes, bilayer, passive, Triton, Brij, hydrogen belts, 73

1-O-oleoylethane-2-O, 1-O-stearoylethane-2-O, 1-O-linoleoylethane-2-O, R, S-α-tocopherol, N, N-diethylamidothionphosphate, phosphagen, 199

2-oxirane, epoxy, fatty acid, synthesis, physical properties, 193

oxygen-18, phospholipid acyl groups, alkaline methanolysis, catalytic hydrogenation, gas chromatography-mass spectrometry, 165

15-oxygenated sterol, inhibitor of sterol synthesis, 245

partition coefficient, phospholipid membrane, phase transition, surfactant, fluorocarbon, 25

passive, liposomes, bilayer, OH-blocked cholesterol, Triton, Brij, hydrogen belts, 73

phase transition, phosphatidylcholine, water, infrared spectra, multilamellar samples, 51

phase transition, phospholipid membrane, surfactant, fluorocarbon, partition coefficient, 25

phase transitions, X-ray diffraction, membranes, phospholipid, cholesterol, 63

phosphagen, 1-O-stearoylethane-2-O, 1-O-oleoylethane-2-O, 1-O-linoleoylethane-2-O, R,S-α-tocopherol, N,N-diethy-lamidothionphosphate, 199

phosphatidylcholine, elasticity, spontaneous torsion, 37

phosphatidylcholine, water, phase transition, infrared spectra, multilamellar samples, 51

phosphatidylcholine bilayer, monovalent ion, electron paramagnetic resonance, Mn²⁺ binding constant, 205

phosphatidylcholine synthesis, constrained phosphatidylcholines, phospholipase A₂, phospholipid conformation, enantiomeric specificity, 157

phosphatidylglycerols, synthesis, saturated phospholipids, 121

phosphatidyl glycerol, phosphonolipids, cardiolipin, phosphono analogue of cardiolipin, diacylglycero phosphonic acid, 253

phospholipase A₂, phosphatidylcholine synthesis, constrained phosphatidylcholines, phospholipid conformation, enantiomeric specificity, 157

phospholipid, X-ray diffraction, phase transitions, membranes, cholesterol, 63

phospholipids, Fourier transform infrared spectroscopy, thermotropic behaviour, 13

phospholipids, Langmuir-Blodgett assemblies, Fourier transform infrared spectroscopy, 1

phospholipids, steroids, synthesis, monolayers, 57

phospholipid acyl groups, oxygen-18, alkaline methanolysis, catalytic hydrogenation, gas chromatography-mass spectrometry, 165

phospholipid conformation, phosphatidylcholine synthesis, constrained phosphatidylcholines, phospholipase A₂, enantiomeric specificity, 157

phospholipid membrane, phase transition, surfactant, fluorocarbon, partition coefficient, 25

phospholipid membrane, surfactant-membrane interaction, membrane fluidity, fluorescence depolarization, 107

phosphonolipids, cardiolipin, phosphono analogue of cardiolipin, phosphatidyl glycerol, diacylglycero phosphonic acid, 253

phosphono analogue of cardiolipin, phosphonolipids, cardiolipin, phosphatidyl glycerol, diacylglycero phosphonic acid, 253

physical properties, 2,2'-oxirane, epoxy, fatty acid, synthesis, 193

picolinyl esters, fatty acids, gas chromatography, mass spectrometry, silver ion chromatography, Mytilus galloprovincialis, Rapana thomasiana, 127

picolinyl esters, mass spectrometry, octadecadiynoic acids, 225

polymerizable lipids, tubule, liposomes, microscopy, formation, 171

polymorphism, ³¹P-NMR, differential scanning calorimetry, N-acylphosphatidylethanolamine, gel-to-liquid crystal phase transition, 43

precipitation, calcium deoxycholate, bile salts, lecithin, 279 protein distribution, lipid bilayers, electron spin resonance, cytochrome c oxidase, 267

Rapana thomasiana, fatty acids, picolinyl esters, gas chromatography, mass spectrometry, silver ion chromatography, Mytilus galloprovincialis, 127

ring C oxygenated sterols, chemical synthesis, 147

saturated phospholipids, synthesis, phosphatidylglycerols, 121

sialidase, ganglioside, N-glycolylneuraminic acid, nuclear magnetic resonance, laser, 181

silver ion chromatography, fatty acids, picolinyl esters, gas chromatography, mass spectrometry, *Mytilus galloprovin*cialis, Rapana thomasiana, 127

small hydrocarbons, squalene peroxidation, in vivo isoprene formation, dimethylcyclopentadiene, 117

spontaneous torsion, phosphatidylcholine, elasticity, 37

squalene peroxidation, in vivo isoprene formation, dimethylcyclopentadiene, small hydrocarbons, 117

1-O-stearoylethane-2-O, 1-O-oleoylethane-2-O, 1-O-linoleoylethane-2-O, R,S-\alpha-tocopherol, N,N-diethylamidothionphosphate, phosphagen, 199

steroids, phospholipids, synthesis, monolayers, 57

stopped-flow, tocopherol, antioxidant activity, ESR, 31

sulfatide, N-pyrene derivatives, model membranes, 89

surfactant, phospholipid membrane, phase transition, fluorocarbon, partition coefficient, 25

surfactant-membrane interaction, phospholipid membrane, membrane fluidity, fluorescence depolarization, 107

synthesis, 2,2'-oxirane, epoxy, fatty acid, physical properties,

synthesis, phospholipids, steroids, monolayers, 57

synthesis, saturated phospholipids, phosphatidylglycerols, 121

synthesis, unsaturated thioethers of thioglycerol, 231

thermotropic behaviour, Fourier transform infrared spectroscopy, phospholipids, 13

tocopherol, antioxidant activity, stopped-flow, ESR, 31

R,S-α-tocopherol, 1-O-stearoylethane-2-O, 1-O-oleoylethane-2-O, 1-O-linoleoylethane-2-O, N,N-diethylamidothionphosphate, phosphagen, 199

Triton, liposomes, bilayer, passive, OH-blocked cholesterol, Brij, hydrogen belts, 73

tubule, polymerizable lipids, liposomes, microscopy, formation, 171

unsaturated thioethers of thioglycerol, synthesis, 231

water, phosphatidylcholine, phase transition, infrared spectra, multilamellar samples, 51

water binding, hydrogen bond, lipids, infrared spectra, high pressure, 213

X-ray diffraction, phase transitions, membranes, phospholipid, cholesterol, 63



Author Index

Volume 46 (1988)

			The state of the s
Acquotti, D.	181	Johnson, S.B.	165
Akoka, S.	43	Jürgens, G.	99
Almog, S.	279		
		Kandutsch, A.A.	147
Barlow, P.N.	157	Kinnunen, P.K.J.	1,13
Berchtold, R.	79	Kirschner, G.	181
Bor, A.	279	Kushnir, T.	279
Bowen, S.T.	245		
Brechany, E.Y.	127,225	Laakkonen, L.J.	1
Brnjas-Kraljević, J.	99	Le Roux, C.	43
Brockerhoff, H.	73	Lebeau, L.	57
		Lichtenberg, D.	279
Calderon, J.	121	Lie Ken Jie, M.S.F.	193,225
Cantù, L.	181	Lis, L.J.	205
Cervato, G.	89	Lister, M.D.	157
Cestaro, B.	89	Lotta, P.K.J.	13
Chapman, D.	267	Lotta, T.I.	1
Chauhan, A.	73	14 P	122
Chauhan, V.P.S.	73	Maggio, B.	137
Chigorno, V.	181	Mangold, H.K.	231
Chisholm, D.M.	267	Mantsch, H.H.	79,213
Christie, W.W.	127,225	Marchesini, S.	89
Cumar, F.A.	137	Marion, D.	43
Cunningham, B.A.	205	Mead, J.F. Mellier, A.	117 51
		Mioskowski, C.	57
Diaf, A.	51	Montich, G.G.	137
Dia.,		Moschidis, M.C.	253
Finean, J.B.	63	Mukai, K.	31
Fronza, G.	181	Muraoka, Y.	107
Fukada, K.	31	Mulaoka, 1.	107
Fukushima, K.	25,107	Nir, S.	279
rukusiiiiia, K.	23,107	Mi, S.	219
Galimberti, C.	89	Ortiz, A.	259
Gelerinter, E.	205	Oudet, P.	57
Gomez-Fernandez, J.C.	259		
		Parish, E.J.	147,245
Hamberg, M.	235	Pifat, G.	99
Hancock, A.J.	157	Pink, D.A.	267
Herak, J.N.	99	Pitto, M.	181
Holasek, A.	99	Price, R.R.	171
Hutchinson, A.L.	63	O into EA	245
11400	03	Quiocho, F.A.	245
Inoue, T.	25, 107	Rhodes, D.G.	171
Ishizu, K.	31		
Ivanov, S.A.	199	Schmid, P.C.	165
Iwanaga, T.	25	Schmid, H.H.O.	165

Schnur, J.M.	171	Udovičić, L.	99
Schoen, P.E.	171		
Schroepfer, Jr. G.J.	147,245	Viani, P.	89
Servuss, R.M.	37	Vidal, JC.	157
Shefi, M.	279	Virtanen, J.A.	1,13
Shimozawa, R.	25,107		
Sigler, P.B.	157	Wilson, W.K.	245
Siminovitch, D.J.	79	Wong, P.T.T.	79,213
Singh, A.	171	wong, r.r.r.	73,213
Sonnino, S.	181		
Stamatov, S.D.	199	Yager, P.	171
Staneva, V.K.	199	Yague, P.	121
Stefanov, K.	127	Yamada, Y.	231
Stein, R.A.	117	Younis, M.	279
Tellier, C.	43	Zheng, Y.F.	193
Tettamanti, G.	181	Zingoni, J.	73



